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Flowering Plants of Black Hawk County, Iowa

Myrle Marie Juliana Burk
University of Illinois

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FLOWERING PLANTS OF BLACK HAWK COUNTY, IOWA

MYRLE MARIE JULIANA BURK

In Black Hawk County, Iowa, the rolling prairies of Iowan drift, the valley of the Red Cedar River, varying in its physiographic features from loess bluffs to low sandy flood plains with numerous "lakes" and swamps, remnants of old oxbows, and the valley of the Wapsipinicon River which are favorable to the development of several types of plant associations, present a rich flora.

The high and precipitous bluffs, covered with an impure loess, which form the banks of the Cedar River near Cedar Falls and Cedar Heights support the climax association, red oak-basswood forest. Sugar maples are gaining a foothold on the sides of the numerous deep, narrow ravines of these bluffs. On the sandy plains of the river valley, *Cenchrus pauciflorus* Benth., *Polanisia graveolens* Raf. and *Strophostyles pauciflora* (Benth.) S. Wats. are the first invaders. On the older more advanced parts of the plain, *Juniperus virginiana* is encroaching so rapidly that the land is worthless for pasturage within a few years.

In such areas of virgin prairie which have been preserved, grasses and sedges are dominant. *Spartina michauxiana* Hitchc., *Poa palustris* L., *Agrostis palustris* Huds., *Panicularia nervata* (Willd.) Kuntze, *Carex lanuginosa* Michx. and *C. stricta* Lam. are dominant in the sloughs and low prairies. On the higher prairies *Andropogon furcatus* Muhl., *Sorghastrum nutans* (L.) Nash, *Panicum virgatum* L., *Elymus canadensis* L., *Carex scoparia* Schkuhr., and *C. festucacea* Schkuhr. are most conspicuous. On the sandy high prairies bordering the Cedar River Valley *Bouteloua curtipendula* (Michx.) Torr., *B. hirsuta* Lag., and *Paspalum stramineum* Nash are found. The late summer aspect is a glory of *Asterales*; *Helianthus*, *Aster*, *Erigeron*, *Laciniaria*, *Solidago*, and *Eupatorium*.

Alismaceae

<i>Alisma subcordatum</i> Raf.	<i>Sagittaria latifolia</i> Willd.
	<i>Sagittaria longirostra</i> (Michx.)
<i>Sagittaria brevirostra</i> Mack. & Bush.	J. G. Smith
<i>Sagittaria rigida</i> Pursh	<i>Sagittaria cuneata</i> Sheldon
<i>Sagittaria graminea</i> Michx.	

Typhaceae

Typha latifolia L.

Sparganiaceae

Sparganium eurycarpum Engelm.

Liliaceae

Anticlea elegans (Pursh) Rydb.

Vagnera racemosa (L.) Morong.

Vagnera stellata (L.) Morong.

Melanthium virginicum L.

Uvularia grandiflora J. E. Smith

Uvularia sessilifolia L.

Allium tricoccum Ait.

Allium canadense L.

Polygonatum commutatum (R. & S.)
Dietr.

Lilium umbellatum Pursh.

Lilium canadense L.

Lilium superbum L.

Trillium declinatum (A. Gray)
Gleason

Erythronium albidum Nutt.

Smilax herbacea L.

Asparagus officinalis L.

Smilax ecirrhata (Engelm.)
S. Wats.

Smilax hispida Muhl.

Commelinaceae

Tradescantia bracteata Small

Tradescantia reflexa Raf.

Tradescantia virginiana L.

Juncaceae

Juncus dudleyi Wiegand

Juncus nodosus L.

Juncus tenuis Willd.

Juncus torreyi Coville

Juncus interior Wiegand

Juncus brachycarpus Engelm.

Araceae

Arisaema triphyllum (L.) Torr.

Acorus calamus L.

Arisaema dracontium (L.) Schott.

Lemnaceae

Lemna trisulca L.

Lemna minor L.

Cyperaceae

Carex sartwellii Dewey

Cyperus diandrus Torr.

Carex rosea Schkuhr.

Cyperus inflexus Muhl.

Carex gravior Bailey

Cyperus schweinitzii Torr.

Carex annectens Bicknell

Cyperus esculentus L.

Carex stipitata Muhl.

Syperus erythrorhizos Muhl.

Carex scoparia Schkuhr.

Cyperus filiculmis Vahl.

Carex tribuloides Wahl.

Cyperus strigosus L.

Carex festucacea Schkuhr.

Eleocharis macrostachya Britton

Carex granularis Muhl.

Eleocharis palustris (L.) R. & S.

Carex formosa Dewey

Eleocharis wolffii A. Gray

Carex stricta Lam.

Eleocharis tenuis (Willd.)

Carex lacustris Willd.

Schultes

Carex lanuginosa Michx.

Carex atherodes Spreng.

Scirpus validus Vahl.

Carex hystericina Muhl.

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Carex asa-grayi Bailey
Carex lupulina Muhl.
Carex vulpinoidea Michx.

Scirpus occidentalis (S. Wats.)
 Chase
Scirpus fluviatilis (Torr.)
 A. Gray
Scirpus lineatus Michx.
Scirpus cyperinus (L.) Kunth.
Scirpus atrovirens Muhl.

Poaceae

Bromus tectorum L.
Bromus purgans L.
Bromus inermis Leyss
Bromus kalmii A. Gray.

Calamagrostis canadensis (Michx.)
 Beauv.

Festuca nutans Willd.

Agrostis palustris Huds.
Agrostis schweinitzii Trin.
Agrostis hyemalis (Walt.) B. S. P.

Panicularia nervata (Willd.)
 Kuntze
Panicularia grandis (S. Wats.)
 Nash

Phleum pratense L.
Sporobolus vaginæfflorus Torr.
Sporobolus asper (Michx.) Kunth.

Poa palustris L.
Poa pratensis L.

Brachyelytrum erectum (Schreb.)
 Beauv.

Eragrostis purshii Schrad.
Eragrostis major Host.
Eragrostis pectinacea (Michx.)
 Steud.

Stipa spartea Trin.
Spartina michauxiana Hitchc.

Eragrostis hypnoides (Lam.) B. S. P.

Bouteloua hirsuta Lag.
Bouteloua curtipendula (Michx.)
 Torr.

Diarina festucoides Raf.

Dactylis glomerata L.

Phalaris arundinacea L.

Agropyron repens (L.) Beauv.
Agropyron smithii Rydb.

Zizania aquatica L.

Secale cereale L.

Homalocenchrus virginicus (Willd.)
 Britton

Elymus jejunus (Ramaley) Rydb.
Elymus virginicus L.
Elymus hirsutiglumis Scribn.
Elymus canadensis L.
Elymus arkansanus Scribn. & Ball

Homalocenchrus oryzoides (L.) Poll.
Syntherisma sanguinale (L.)
 Dulac.

Paspalum stramineum Nash

Hystrix patula Moench.

Panicum dichotomiflorum Michx.
Panicum capillare L.
Panicum virgatum L.
Panicum implicatum Scribn.
Panicum scribnerianum Nash

Koeleria cristata (L.) Pers.

Sphenopholis obtusata (Michx.)
Scribn.

Echinochloa crus-galli (L.)
Beauv.

Chaetochloa lutescens (Weigel)
Stuntz

Chaetochloa viridis (L.)
Scribn.

Cenchrus pauciflorus Benth.

Andropogon scoparius Michx.
Andropogon furcatus Muhl.

Sorghastrum nutans (L.) Nash

Amaryllidaceae

Hypoxis hirsuta (L.) Coville

Iridaceae

Iris versicolor L.

Sisyrinchium campestre
Bicknell

Orchidaceae

Cypripedium candidum Willd.

Blephariglottis leucophaea
(Nutt.) Farwell

Galeorchis spectabilis (L.) Rydb.

Aplectrum hyemale (Muhl.)
Torr.

Coeloglossum bracteatum (Willd.)
Parl.

Ranunculaceae

Caltha palustris L.

Syndesmon thalictroides (L.)
Hoffmg.

Isopyrum biternatum (Raf.) T. & G.

Pulsatilla patens (L.) Mill

Actaea rubra (Ait.) Willd.

Ranunculus purshii Richards

Actaea alba (L.) Mill.

Ranunculus abortivus L.

Ranunculus pennsylvanicus L. f.

Aquilegia canadensis L.

Ranunculus septentrionalis Poir.

Ranunculus ovalis Raf.

Delphinium penardi Huth

Thalictrum dasycarpum Fisch.
and Lall.

Anemone caroliniana Walt.

Thalictrum polygamum Muhl.

Anemone cylindrica A. Gray

Anemone virginiana L.

Anemone canadensis L.

Anemone quinquefolia L.

Clematis virginiana L.

Hepatica acutiloba DC

Viorna pitcheri (T. & G.)
Britton

Hepatica hepatica (L.) Karst.

Nymphaeaceae

Castalia odorata (Dryand.)

Nymphaea advena Soland

Woodv. & Wood

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Berberidaceae

Berberis vulgaris L. *Caulophyllum thalictroides*
(L.) Michx.

• *Podophyllum peltatum* L.

Menispermaceae

Menispermum canadense L.

Malvaceae

Malva rotundifolia L. *Abutilon abutilon* (L.) Rusby

Napaea dioica L. *Hibiscus trionum* L.

Tiliaceae

Tilia americana L.

Ulmaceae

Ulmus americana L. *Celtis occidentalis* L.

Ulmus fulva Michx.

Ulmus thomasi Sarg.

Moraceae

Toxylon pomiferum Raf. *Cannabis sativa* L.

Humulus lupulus L.

Urticaceae

Urtiac dioica L. *Pilea pumila* (L.) A. Gray

Urtica gracilis Ait.

Boehmeria cylindrica (L.) Sw.

Urticastrum divaricatum (L.)

Kuntze

Geraniaceae

Geranium maculatum L. *Geranium carolinianum* L.

Oxalidaceae

Ionoxalis violacea (L.) Small *Xanthoxalis stricta* (L.)

Small

Xanthoxalis corniculata (L.)

Small

Linaceae

Cathartolinum sulcatum
(Riddell) Small

Balsaminaceae

Impatiens biflora Walt. *Impatiens pallida* Nutt.

Rutaceae

Xanthoxylum americanum Mill. *Ptelea trifoliata* L.

Polygaceae

Polygala viridescens L. *Polygala incarnata* L.

Euphorbiaceae

- | | |
|---|---|
| <i>Acalypha virginica</i> L. | <i>Tithymalopsis corollata</i> (L.)
Kl. & Garcke |
| <i>Chamaesyce serpyllifolia</i> (Pers.)
Small | <i>Tithymalus cyparissias</i> (L.) Hill |
| <i>Chamaesyce glyptosperma</i> (Engelm.)
Small | <i>Poinsettia dentata</i> (Michx.) Small |
| <i>Chamaesyce maculata</i> (L.) Small | |
| <i>Chamaesyce preslii</i> (Guss.) Arthur | |

Cistaceae

- Crocanthemum majus* (L.) Britton

Guttiferaceae

- | | |
|-----------------------------------|--|
| <i>Hypericum ascyron</i> L. | <i>Hypericum boreale</i> (Britton)
Bicknell |
| <i>Hypericum cistofolium</i> Lam. | |
| <i>Hypericum ellipticum</i> Hook. | <i>Hypericum majus</i> (A. Gray)
Bicknell |
| | <i>Hypericum canadense</i> L. |

Violaceae

- | | |
|---------------------------------|-----------------------------------|
| <i>Viola pedata</i> L. | <i>Viola fimbriatula</i> E. Smith |
| <i>Viola papilionacea</i> Pursh | <i>Viola pedatifida</i> Don. |
| <i>Viola sororia</i> Willd. | <i>Viola eriocarpa</i> Schwein. |
| <i>Viola affinis</i> Le Conte | <i>Viola pubescens</i> Ait. |

Papaveraceae

- | | |
|--|---|
| <i>Sanguinaria canadensis</i> L. | <i>Bicuculla canadensis</i> (Goldie)
Millsp. |
| <i>Bicuculla cucullaria</i> (L.) Millsp. | |
| | <i>Capnoides crystallinum</i> (Engelm.)
Kuntze |

Brassicaceae

- | | |
|---|--|
| <i>Draba caroliniana</i> Walt. | <i>Cheirinia cheiranthoides</i> (L.) Link |
| <i>Berteroa incana</i> (L.) DC | <i>Norta altissima</i> (L.) Britton |
| <i>Radicula sylvestris</i> (L.) Druce | <i>Iodanthus pinnatifidus</i> (Michx.)
Steud. |
| <i>Radicula sinuata</i> (Nutt.) Greene | |
| <i>Radicula palustris</i> (L.) Moench. | <i>Arabis canadensis</i> L. |
| <i>Sisymbrium nasturtium-aquaticum</i> L. | <i>Arabis virginica</i> (L.) Trelease |
| | <i>Arabis dentata</i> T. & G. |
| <i>Erysimum officinale</i> L. | |
| | <i>Cardamine bulbosa</i> (Schreb.) B. S. P. |
| <i>Lepidium campestre</i> (L.) R. Br. | <i>Cardamine pennsylvanica</i> Muhl. |
| <i>Lepidium virginicum</i> L. | |
| <i>Lepidium apetalum</i> Willd. | |
| <i>Thlaspi arvense</i> L. | <i>Dentaria laciniata</i> Muhl. |

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Sophia pinnata (Dalt.) Howell

Sinapis arvensis L.

* *Raphanus raphanistrum* L.

Capparidaceae

Polanisia graveolens Raf.

Caryophyllaceae

Alsine media L.

Silene stellata (L.) Ait.

Alsine longifolia (Muhl.) Britton

Silene alba Muhl.

Silene latifolia (Mill.)

Cerastium vulgatum L.

Britton & Rendle

Silene antirrhina L.

Moehringia lateriflora (L.) Fenzl.

Lychnis alba Mill.

Saponaria officinalis L.

Portulacaceae

Claytonia virginica L.

Aizoaceae

Mollugo verticillata L.

Salicaceae

Populus alba L.

Salix nigra Marsh

Populus grandidentata Michx.

Salix amygdaloides Anders.

Populus tremuloides Michx.

Salix longifolia Muhl.

Populus deltoides Marsh

Salix cordata Muhl.

Salix candida Fluegge

Salix discolor Muhl.

Amaranthaceae

Amaranthus retroflexus L.

Amaranthus torreyi (A. Gray)

Amaranthus blitoides S. Wats.

Benth.

Amaranthus graecizans L.

Acnida tuberculata Moq.

Chenopodiaceae

Chenopodium album L.

Cycloloma atriplicifolium

Chenopodium boscianum Moq.

(Spreng.) Coult.

Chenopodium hybridum L.

Salsola pestifer A. Nelson

Polygonaceae

Rumex acetosella L.

Persicaria amphibia (L.) S. F. Gray

Rumex verticillatus L.

Persicaria muhlenbergii (S. Wats.)

Rumex altissimus Wood

Small

Rumex patientia L.

Persicaria lapathifolia (L.)

Rumex britannica L.

S. F. Gray

Rumex crispus L.

Persicaria pennsylvanica (L.)

Rumex obtusifolius L.

Small

Persicaria persicaria (L.) Small

- | | |
|------------------------------|----------------------------------|
| Polygnum aviculare L. | Persicaria punctata (Ell.) Small |
| Polygnum erectum L. | |
| Polygnum ramosissimum Michx. | Fagopyrum fagopyrum (L.) Karst |
| Polygnum tenue Michx. | |
| Polygnum douglasii Greene | Tracaulon sagittatum (L.) Small |

Tiniaria convolvulus (L.)
Webb. & Moq.

Nyctaginaceae

Allionia nyctaginea Michx.

Pyrolaceae

Pyrola elliptica Nutt.

Primulaceae

- | | |
|------------------------------|---------------------------------|
| Androsace occidentalis Pursh | Steironema ciliatum (L.) Raf. |
| | Steironema lanceolatum (Walt.) |
| | A. Gray |
| Lysimachia nummularia L. | Steironema quadrifolium (Sims.) |
| | Hitchc. |

Dodecatheon meadia L.

Plantaginaceae

- | | |
|------------------------|--------------------------|
| Plantago major L. | Plantago lanceolata L. |
| Plantago rugelii Dcne. | Plantago purshii R. & S. |

Oleaceae

- | | |
|------------------------------|------------------------------------|
| Fraxinus americans L. | Fraxinus pennsylvanica var. lance- |
| Fraxinum pennsylvanica Marsh | olata (Borck.) Sarg. |
| | Fraxinus nigra Marsh |

Gentianaceae

- | | |
|--------------------------|----------------------------------|
| Gentiana quinquefolia L. | Dasystephana andrewsii (Griseb.) |
| | Small |
| | Dasystephana flavida (A. Gray) |
| | Britton |

Apocynaceae

- | | |
|------------------------------|--------------------------|
| Apocynum androsaemifolium L. | Apocynum sibiricum Jacq. |
| Apocynum cannabinum L. | |

Asclepiadaceae

- | | |
|-------------------------------------|-----------------------------------|
| Asclepias tuberosa L. | Asclepias syriaca L. |
| Asclepias purpurascens L. | Asclepias verticillata L. |
| Asclepias incarnata L. | |
| Asclepias amplexicaulis J. E. Smith | Acerates viridiflora (Raf.) Eaton |
| Asclepias meadii Torr. | Acerates floridana (Lam.) |
| | A. S. Hitchc. |

Polemoniaceae

- | | |
|---------------------|-----------------------|
| Phlox maculata L. | Phlox bifida Beck. |
| Phlox pilosa L. | |
| Phlox divaricata L. | Polemonium reptans L. |

Convolvulaceae

- | | |
|-------------------------|-----------------------------|
| Convolvulus sepium L. | Cuscuta polygonorum Engelm. |
| Convolvulus arvensis L. | Cuscuta gronovii Willd. |
| | Cuscuta cuspidata Engelm. |

Hydrophyllaceae

- | | |
|------------------------------------|--------------------------------|
| Hydrophyllum virginianum L. | Nyctelea nyctelea (L.) Britton |
| Hydrophyllum appendiculatum Michx. | |

Boraginaceae

- | | |
|--------------------------------|---|
| Lappula virginiana (L.) Greene | Lithospermum carolinense (Walt.)
Macm. |
| Mertensia virginica (L.) DC. | Lithospermum canescens (Michx.)
Lehm. |
| Myosotis micrantha Pall. | Lithospermum linearifolium Goldie |
| | Onosmodium hispidissimum
MacKenzie |

Solanaceae

- | | |
|--|----------------------------|
| Physalis pruinosa L. | Physalis heterophylla Nees |
| Physalis barbadensis Jacq. | |
| Physalis subglabrata MacKenzie
and Bush | Solanum nigrum L. |
| Physalis lanceolata Michx. | Solanum carolinense L. |
| | Solanum rostratum Dunal |

Scrophulariaceae

- | | |
|---------------------------------|--|
| Verbascum thapsus L. | Leptrandra virginica (L.) Nutt. |
| Linaria linaria (L.) Karst. | Agalinis purpurea (L.) Britton |
| | Agalinis tenuifolia (Vahl.) Raf. |
| Scrophularia marylandica L. | |
| Scrophularia leporella Bicknell | Otophylla auriculata (Michx.)
Small |
| Penstemon grandiflorus Nutt. | |
| Mimulus ringens L. | Castilleja coccinea (L.) Spreng. |
| | Pedicularis lanceolata Michx. |
| Gratiola virginiana L. | Pedicularis canadensis L. |
| Synthyris bullii (Eaton) Heller | |
| Veronica xalapensis H. B. K. | |

Martyniaceae

- Martynia louisiana Mill.

Phrymaceae

- Phryma leptostachya L.

Verbenaceae

- | | |
|-----------------------------|--------------------------|
| Verbena urticifolia L. | Verbena stricta Vent. |
| Verbena hastata L. | Verbena bracteosa Michx. |
| Verbena angustifolia Michx. | |
| | Lippia lanceolata Michx. |

Lamiaceae

<i>Teucrium canadense</i> L.	<i>Leonurus cardiaca</i> L.
<i>Isanthus brachiatus</i> (L.) B. S. P.	<i>Stachys arenicola</i> Britton
<i>Scutellaria lateriflora</i> L.	<i>Stachys palustris</i> L.
<i>Scutellaria integrifolia</i> L.	<i>Stachys tenuifolia</i> Willd.
<i>Scutellaria parvula</i> Michx.	<i>Monarda mollis</i> L.
<i>Agastache nepetoides</i> (L.) Kuntze	<i>Hedeoma hispida</i> Pursh
<i>Agastache scrophulariaefolia</i> (Willd.) Kuntze	<i>Koellia flexuosa</i> (Walt.) MacM.
<i>Nepeta cataria</i> L.	<i>Lycopus virginicus</i> L.
	<i>Lycopus uniflorus</i> Michx.
	<i>Lycopus americanus</i> Muhl.
<i>Glechoma hederacea</i> L.	<i>Lycopus asper</i> Greene
<i>Prunella vulgaris</i> L.	<i>Mentha canadensis</i> L.
<i>Dracocephalum denticulatum</i> Ait.	
<i>Dracocephalum nuttallii</i> Britton	

Rosaceae

<i>Opulaster opulifolius</i> (L.) Kuntze	<i>Agrimonia gryposepala</i> Wallr.
	<i>Agrimonia rostellata</i> Wallr.
<i>Spiraea alba</i> DuRoi	
	<i>Geum virginianum</i> L.
<i>Potentilla canadensis</i> L.	<i>Geum canadense</i> Jacq.
<i>Potentilla monosperma</i> L.	
	<i>Sieversia ciliata</i> (Pursh) Rydb.
<i>Fragaria grayana</i> Vilmorin	
<i>Fragaria americana</i> (Porter) Britton	<i>Rubus occidentalis</i> L.
<i>Drymocallis agrimonioides</i> (Pursh) Rydb.	<i>Rosa blanda</i> Ait.
	<i>Rosa pratincola</i> Greene
	<i>Rosa woodsii</i> Lindl.

Malaceae

<i>Malus ioensis</i> (Wood) Britton	<i>Crataegus pertomentosa</i> Ashe
	<i>Crataegus coccinea</i> L.
<i>Amelanchier canadensis</i> (L.) Medic.	
<i>Amelanchier intermedia</i> Spach.	

Prunaceae

<i>Prunus americana</i> Marsh	<i>Prunus virginiana</i> L.
<i>Prunus pennsylvanica</i> L. f.	<i>Prunus serotina</i> Ehrh.

Mimosaceae

<i>Acuan illinoensis</i> (Michx.) Kuntze
--

Cassiaceae

<i>Chamaecrista fasciculata</i> (Michx.) Greene	<i>Gleditsia triacanthos</i> L.
	<i>Gymnocladus dioica</i> (L.) Koch

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Fabaceae

Baptisia bracteata Ell.	Geoprumnon crassicaupum (Nutt.)
Baptisia leucantha T. & G.	Rydb.

Medicago sativa L.	Astragulus carolinianus L.
Medicago lupulina L.	Astragulus distortus T. & G.

Melilotus alba Desv.	Meibomia grandiflora (Walt.)
Melilotus officinalis (L.) Lam.	Kuntze

	Meibomia bracteosa (Michx.)
--	-----------------------------

Trifolium procumbens L.	Kuntze
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Trifolium pratense L.	Meibomia canadensis (L.)
-----------------------	--------------------------

Trifolium hybridum L.	Kuntze
-----------------------	--------

Trifolium repens L.	Lespedeza capitata Michx.
---------------------	---------------------------

Psoralea argophylla Pursh

Vicia cracca L.

Amorpha fruticosa L.

Vicia americana Muhl.

Amorpha canescens Pursh

Vicia angustifolia L.

Petalostemum candidum (Willd.)
Michx.

Lathyrus venosus Muhl.

Petalostemum purpureum (Vent.)
Rydb.

Falcata pitcheri (T. & G.)
Kuntze

Petalostemum villosum Nutt.

Strophostyles pauciflora
(Benth.) S. Wats.

Robinia pseudoacacia L.

Saxifragaceae

Parnassia caroliniana Michx.

Ribes Americanum Mill.

Ribes lacustre (Pers.) Poir.

Micranthes pennsylvanica (L.) Haw.

Grossularia cynosbati (L.) Mill.

Heuchera hispida Pursh

Grossularia missouriensis (Nutt.)
Cov. & Britt.

Mitella diphylla L.

Crassulacae

Penthorum sedoides L.

Lythraceae

Ammannia coccinea Rottb.

Lythrum alatum Pursh

Onagraceae

Ludwigia polycarpa Short &
Peter

Raimannia rhombipetala (Nutt.)
Rose

Epilobium adenocaulon Haussk

Meriolix serrulata (Nutt.) Walp.

Oenothera biennis L.

Oenothera muricata L.

Aristolochiaceae

Asarum canadense L.

Asarum acuminatum (Ashe)

Asarum reflexum Bicknell

Bicknell

Cucurbitaceae

Micrampelis lobata (Michx.) Greene

Rhamnaceae

Ceanothus americanus L.

Vitaceae

Vitis vulpina L.

Parthenocissus quinquefolia
(L.) Planch.

Vitis palmato Vahl.

Vitis cordifolia Michx.

Celastraceae

Euonymus atropurpureus Jacq.

Celastrus scandens L.

Staphyleaceae

Staphylea trifolia L.

Santalaceae

Comandra umbellata (L.) Nutt.

Aceraceae

Acer saccharinum L.

Acer nigrum Michx.

Acer saccharum Marsh

Acer negundo L.

Anacardiaceae

Rhus glabra L.

Toxicodendron radicans (L.)
Kuntze

Juglandaceae

Juglans nigra L.

Hicoria cordiformis (Wang.)
Britton

Juglans cinerea L.

Hicoria ovata (Mill.) Britton

Betulaceae

Betula nigra L.

Ostrya virginiana (Mill.)
Willd.

Corylus americana Walt.

Fagaceae

Quercus rubra L.

Quercus alba L.

Quercus ellipsoidalis E. J. Hill

Quercus macrocarpa Michx.

Quercus velutina Lam.

Quercus bicolor Willd.

Araliaceae

Aralia racemosa L.

Aralia nudicaulis L.

Apiaceae

Eryngium aquaticum L.

Pastinaca sativa L.

Sanicula marylandica L.

Heracleum lanatum Michx.

Sanicula canadensis L.

Sanicula gregaria Bicknell

Zizia cordata (Walt.) DC.

Zizia aurea (L.) Koch.

Daucus carota L.

Cynosciadium pinnatum DC.

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Washingtonia claytoni (Michx.) Britton	Sium cicutaefolium Schrank.
Washingtonia longistylis (Torr.) Britton	Cicuta maculata L.
Chaerophyllum procumbens (L.) Crantz.	Carum carui L.
Deringa canadensis (L.) Kuntze	Taenidia integerrima (L.) Drude
Pleiotanea nuttallii (DC) Coul. & Rose	

Cornaceae

Cornus amomum Mill.	Cornus asperifolia Michx.
Cornus femina Mill.	Cornus alternifolia L. f.

Rubiaceae

Houstonia minima Beck	Galium boreale L.
Cephalanthus occidentalis L.	Galium tinctorium L.
Galium aparine L.	Galium claytoni Michx.
	Galium concinnum Torr. & Gray
	Galium asprellum Michx.

Caprifoliaceae

Sambucus canadensis L.	Triosteum perfoliatum L.
Viburnum dentatum L.	Lonicera dioica L.
Viburnum lentago L.	

Valerianaceae

Valeriana edulis Nutt.

Campanulaceae

Campanula aparinoides Pursh	Specularia perfoliata (L.) A. DC.
Campanula americana L.	

Lobeliaceae

Lobelia cardinalis L.	Lobelia spicata Lam.
Lobelia syphilitica L.	

Asteraceae

Silphium perfoliatum L.	Erigeron philadelphicus L.
Silphium integrifolium Michx.	Erigeron annuus (L.) Pers.
Silphium laciniatum L.	Erigeron ramosus (Walt.) B. S. P.
Parthenium integrifolium L.	Leptilon divaricatum (Michx.) Raf.
Heliopsis scabra Dunal	Leptilon canadense (L.) Britton
Rudbeckia triloba L.	Doellingeria humilis (Willd.) Britton
Rudbeckia subtomentosa Pursh	
Rudbeckia hirta L.	Vernonia fasciculata Michx.

Ratibida pinnata (Vent.) Barnhart	Eupatorium bruneri A. Gray
Echinacea pallida (Nutt.) Britton	Eupatorium purpureum L.
Helianthus petiolaris Nutt.	Eupatorium perfoliatum L.
Helianthus grosse-serratus Martens	Eupatorium urticaefolium Reichard
Helianthus giganteus L.	Kuhnia eupatorioides L.
Helianthus scaberrimus Ell.	Lacinaria scariosa (L.) Hill
Helianthus doronicoides Lam.	Lacinaria pycnostachya (Michx.) Kuntze
Helianthus strumosus L.	
Helianthus tuberosus L.	
Helianthus divaricatus L.	
Coreopsis palmata Nutt.	Achillea millefolium L.
Bidens laevis (L.) B.S.P.	Anthemis cotula L.
Bidens cernua L.	Chrysanthemum leucanthemum L.
Bidens vulgata Greene	Tanacetum vulgare L.
Ambrosia trifida L.	Artemisia dracunculoides Pursh
Ambrosia elatior L.	Artemisia serrata Nutt.
Ambrosia psilostachya DC.	Artemisia gnaphalodes Nutt.
Xanthium echinatum Murr.	Mesadenia tuberosa Nutt.
Helenium autumnale L.	Senecio plattensis Nutt
Antennaria neodioica Greene	Cirsium undulatum (Nutt.) Spreng.
Grindelia squarrosa (Pursh) Dunal	Cirsium lanceolatum (L.) Hill
Solidago juncea Ait.	Cirsium discolor (Muhl.) Spreng.
Solidago canadensis L.	Arctium minus Schk.
Solidago glaberrima Martens	Cichorium intybus L.
Solidago altissima L.	
Solidago nemoralis Ait.	
Solidago mollis Bartl.	
Solidago rigida L.	
Solidago riddellii Frank	
Euthamia graminifolia (L.) Nutt.	Cynthia virginica (L.) D. Don
Boltonia asteroides (L.) L'Her.	Tragopogon pratensis L.
Aster azureus Lindl.	Leontodon taraxacum L.
Aster sagittifolius Willd.	Sonchus oleraceus L.
Aster novae-angliae L.	Sonchus asper (L.) Hill.
Aster puniceus L.	
Aster laevis L.	
Aster sericeus Vent.	
Aster multiflorus Ait.	
Aster commutatus (T. & G.) A. Gray	Lactuca ludoviciana (Nutt.) DC.
	Lactuca sagittifolia Ell.

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Aster dumosus L.

Aster salicifolius Lam.

Aster tradescanti L.

Lactuca canadensis L.

Nabalus asper (Michx.) T. & G.

Nabalus racemosus (Michx.) DC.

The sequence followed in arranging this list of plants is that of the Besseyan System. The nomenclature used is that of the American Code.

UNIVERSITY OF ILLINOIS,
URBANA, ILLINOIS.